



Aug. 31, 2010 Program Committee (TN & YK)

## Advanced Agenda

### The Sixth TRIZ Symposium in Japan, 2010

Held by: The Japan TRIZ Society, NPO

Date: September 9, 2010 (Thu.) through September 11, 2010 (Sat.)

Place: Kanagawa Institute of Technology,  
1030 Shimo-Ogino, Atsugi City, Kanagawa Prefecture, Japan

Main Theme: New Fields and New Users !

Sponsored by: Kanagawa Institute of Technology

(Fourth announcement)

#### Pre-Symposium Seminar: "Nikolai Khomenko: OTSM-TRIZ Introduction Seminar"

Held by Japan TRIZ Society, NPO

Sponsored by SANNO Institute of Management and "TRIZ Home Page in Japan" Foundation

Date: Sept. 8, 2010 (Wed.) 10:00 - 17:00

Place: SANNO Institute's Satellite Office (9F Sapia Tower),  
(next building to JR Tokyo Station)

Language: English (no interpreting service into Japanese)

Prerequisite: Registered participants of Japan TRIZ Symposium 2010.

- Note (1) **Accept #:** EI01, J12, etc. The first character: **E**: Presentation by overseas authors, **J**: by Japanese authors. Second letter: **I** stands for invited lectures, none for contributed papers. The number at the end is a running number of accepting. In the Proceedings, all the presentations are arranged in the order of this Accept #.
- (2) **Languages for presentation:** **J**: Japanese, **JE**: Japanese with English slides also, **EJ**: English with Japanese slides also, **E**: English.
- (3) **Rooms:** Presentations: RA: Auditorium on 12 F; RB: Lecture room 303 on 3F.  
Poster presentations: The hall on 3F.  
Group Discussions: Lecture rooms 303, 305, 306 on 3F and Cafeteria on 12F.  
Lunch, Dinner, Dinner & Communications: Cafeteria on 12 F.
- (4) **Possible changes:** Any change on the spot will be posted on the notice board.

### First Day (Sept. 9, 2010), Thursday

Time (duration)	Styl e	Room, Chair	Item, Accept #, Language	Author(s), (Affiliation)	Title of Presentation
9:30 -			Registration	( for Preliminary Session )	.

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10:00- (120 min.)	Preliminary Session (Double)	RA Ikeda	Tutorial <b>J103</b> J	Mamoru Zenko (IDEA, Co., Ltd.)	Tutorial: "Let's Know TRIZ"
		RB	Introductory Discussion	Coordinator: Shinsuke Kurosawa ( )	Self-introduction and Preliminary Discussion
12:20 -			Registration	(for Symposium)	.
13:00- (30 min.)	Opening (Plenary)	RA Mihara	Opening <b>J101</b> JE	Toshihiro Hayashi (Chairperson of the Board, Japan TRIZ Society)	On Holding The Sixth TRIZ Symposium in Japan, 2010
			Welcome / Announcement	Masao Ishihama (Professor, Kanagawa Inst. of Tech.) / Masatoshi Hotta (Japan TRIZ Society)	Welcome to Kanagawa Institute of Technology / Announcement
13:30 (80min.)	Invited (Plenary)	RA Hayashi	Keynote 1 <b>E102</b> EJ	Mahmoud Karimi, Sara Salimi (Iranian Institute of Innovation and Technological Studies (IIITS), Iran)	TRIZ Activities in Iran: Transfer to a New Nationwide Paradigm by TRIZ Application and Promotion
14:50-(15min.)	Break				
15:05- (60min.)	Double	RA Hasegawa	Lecture 1 <b>J106</b> JE	Toshimitsu Kataoka (Patbrain Co., Ltd.)	Intellectual Property Strategy of TRIZ Usage and Practice
		RB Kikuchi (40 min.)	Oral 1 <b>E06</b> EJ	Yuri Borgianni <sup>1</sup> , Nicolò Becattini <sup>2</sup> , Gaetano Cascini <sup>2</sup> , Federico Rotini <sup>1</sup> ( <sup>1</sup> Università degli Studi di Firenze, Italy; <sup>2</sup> Politecnico di Milano, Italy)	Computer-Aided Problem Solving: A Dialogue-based System to Support the Analysis of Inventive Problems
16:05- ( 5min.)	Break				
16:10- (60min.)	Double	RA Unno	Lecture 2 <b>J104</b> JE	Manabu Sawaguchi (Waseda University)	Application of TRIZ for Product Planning - Development of Innovation-oriented TRIZ-
		RB Masaki (40 min.)	Oral 2 <b>E04</b> EJ	Seung-Hyun Yoo, Manyop Han, and Ung-Rak Jeong (Ajou University, Korea)	From Technical to Business Contradiction : Example of a New Crane
17:10- (15min.)	Break				
17:25- (40min.)	Double	RA Nakahata	Oral 3 <b>J04</b> JE	Takuo Maeda (Takumi System Architects, Ltd.)	Japan-oriented Creative Monozukuri (manufacturing and production) with TRIZ
		RB Nakagawa	Oral 4 <b>J19</b> JE	Masao Ishihama (Kanagawa Institute of Technology)	Guiding Noise and Vibration Design along General TRIZ Process by Misunderstanding Case List
18:05- (5 min.)	Break				

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18:10- (40min.)	Double	RA Nakahata	Oral 5 <b>J01</b> J	Masahiro Kuwahara (IDEA Ltd., Japan)	How to Make Good Concepts from Your Ideas Created by TRIZ
		RB Nakagawa	Oral 6 <b>E11</b> EJ	Hong-Wook Lee, Qon Gyu Kim, Myung-Rae Cho, Jin Woo Cho, Sang Hee Lee (Hyundai-Kia Motor Co., Korea)	Concept Development of a Variable Compression Ratio Engine Using TRIZ
18:50- (10 min.)	Break				
19:00- (120 min.)		Cafeteria		Buffet Dinner & Communications	(Reception, without seating, free communications) (last 10 min.: Gathering for Group Discussions)

21:00 Finish

**Second Day (Sept. 10, 2010), Friday**

8:30 -			Registration	(for Symposium)	
8:45 - (55min.)	Single	RA	Meeting	Japan TRIZ Society General Assembly Meeting	[Members only]
9:40-(20min.)	Break				
10:00- (60min.)	Double	RA Ishihama	Lecture 3 <b>J108</b> JE	Toru Nakagawa (Osaka Gakuin University)	Education with TRIZ: For New Perspectives
		RB Fukushima	Lecture 4 <b>J107</b> JE	Toru Shonai (Hitachi) , Yojiro Fukushima	How to use TRIZ in software and IT problem solving
11:00- (5min.)	Break				
11:05- (40min.)	Double	RA Sawaguchi	Oral 7 <b>J03</b> JE	Kai Miyanishi (Kenroku Junior High School 2nd Grader /Son) ○ Katsuya Miyanishi (/Father)	Let's think in Little People's and Person's Worlds! - A Summer Homework by Son and Father with TRIZ (2nd Time)
		RB Arita	Oral 7 <b>E08</b> EJ	Darrell Mann (Systematic Innovation Ltd, UK), ○ Paul Filmore, Mir Abubakr Shadad (University of Plymouth, UK)	Computer-Aided (Systematic) Innovation: New Tools and New Ways of Thinking
11:45- (5min.)	Break				
11:50- (40min.)	Double	RA Sawaguchi	Oral 9 <b>J22</b> J	Seiji Watanabe, Tetsuya Narisawa (Kushiro National College of Technology)	Present State and Problems in Creative Education at Technical College
		RB Hayashi	Oral 10 <b>J06</b> JE	Toshio Takahara	The Ideal of TRIZ - TRIZ as the Way of Life? Part 2
12:30- (60min.)	Lunch	Cafeteria			
13:30- (25min.)	Single	RA Fukushima	Introduction to Posters A JE or EJ	All the Presenters of Poster Session A	Introduction to Poster papers A
13:55- (5min.)	Break				

14:00- (70min.)	Posters and Demos A (Parallel)	3F Hall  Fukushima, Zenko, Masaki	Poster A1 <b>J09</b> J	[Intellectual Property Creation Study Group, Japan TRIZ Society] Kimihiko Hasegawa, Nozomu Takeuchi, Teruyuki Kamimura, Toshimitsu Kataoka, Narumi Nagase, Shigeru Suzuki, Atsushi Nagayama, Hiroshi Ueda, Toshiaki Masaki,	Analysis of Inventions in Patent Journals – 3rd version
			Poster A2 <b>J10</b> J	[Business & Management TRIZ Application Sub-Team, Japan TRIZ Society] Ikuo Yoshizawa (SANNO Institute of Management), Kimihiko Hasegawa (Ideation Japan Inc.), Akira Sato (Keio University), Shigeru Kuno (NKN Consulting Co.), Yasuo Moriya (Fujitsu Advanced Technologies, Ltd.), Takuo Maeda (Takumi System Architects, Ltd.), Teruyuki Kamimura (Willfort International Patent Attorneys), Fumiko Kikuchi (Pioneer Co), Osamu Ikeda (Nikon Corp.), Hisataka Izawa (Sony Corp.)	An Application of TRIZ Way of Thinking and Its Tools to Develop a New Business Model
			Poster A3 <b>J11</b> JE	[MPUF-USIT/TRIZ Study team] Hideaki Kosha, Yuji Mihara, Noritaka Nakayama, Toru Nakagawa, Kouichi Nakamura, Hirotake Makino, Kazushige Aoki, Hideki Oomori, Tatsuhiko Atsuta, Tsuyoshi Todome	Study on USIT Operators Application Examples (2)
			Poster A4 <b>J20</b> J	Minami Hamada (Kanagawa Institute of Technology)	Concept Design of a Child-Seat by TRIZ Style Problem Identification (Second Report)
			Poster A5 <b>E12</b> E	JinHa Jeong, OJeong-Su Han, JunHoe Choi (Samsung Electronics Co., Ltd., Korea)	Development of a New Weight Sensor for a Washing Machine
			Poster A6 <b>E13</b> EJ	Jung-Bae Kim, Youngkyoo Hwang, Won-Chul Bang and James D.K. Kim (Samsung Electronics, Korea)	Real-Time and Realistic 3D Facial Expression Cloning
15:10-(20min.)	Break				
15:30- (60min.)	Double	RA Zenko	Lecture 5 <b>J105</b> JE	Kazuya Yamaguchi (MOST, LLC)	TRIZ for Managers

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RB: 20min. intermission		RB Ohta (40 min.)	Oral 11 <b>J08</b> JE	Kurosawa, Shinsuke	What are “The Laws of Systems Evolution”: TRIZ, Phenomenology and the General Systems Theory
16:30–(10min.)	Break				
16:40– (40min.)	Double	RA Kataoka	Oral 12 <b>J02</b> JE	Yoshiharu Isaka (IDEA Corporation)	Development of New Products through Concept Mining and TRIZ
		RB Yokoyama	Oral 13 <b>E01</b> EJ	SeHo Cheong, Len Kaplan, Valeriy Prushinskiy (Samsung Mobile Display, South Korea)	TRIZ at SMD: Unique Situation, Unique Goals, Unique Approaches
17:20–(5min.)	Break				
17:25– (40min.)	Double	RA Kataoka	Oral 14 <b>J07</b> J	Hideto Sanjou (Docomo Systems, Inc.) Yukie Hanaoka (Wisdom, Inc.)	A Practical-type Approach Applying TRIZ to the Mind Field – Toward the Establishment of a TRIZ Mind Training –
		RB Yokoyama	Oral 15 <b>J12</b> JE	Hisataka Izawa, Narumi Nagase, Shusei Kunitomo (Sony Corporation)	Approach of Reverse TRIZ Using Industry System Newspaper Articles
18:05–(15min.)	Break				
18:20– (60min.)		Cafeteria		Buffet Dinner	(buffet-style, free seating, free communication)
19:20– (100min.)	Group Discussion	Rm. 305 (front)	Group Disc. (A) E (J)	Coordinators: Toru Nakagawa (Osaka Gakuin Univ.), Nikolai Khomenko	Education and TRIZ
		Rm. 303 (front)	Group Disc. (B) E (J)	Shinsuke Kurosawa ( ), Gaetano Cascini (Italy)	Technical & Industrial TRIZ
		Rm. 306 (back)	Group Disc. (C) J & E	Manabu Sawaguchi (Waseda Univ.)	Product Planning and TRIZ
		Rm. 306 (front)	Group Disc. (D) J & E	Toshimitsu Kataoka (Patbrain)	IP Strategies and TRIZ
		Rm. 305 (back)	Group Disc. (E) J & E	Toru Shonai (Hitachi), Yojiro Fukushima ( )	IT/Software and TRIZ
		12F Cafeteria	Group Disc. (F) J	Mamoru Zenko (IDEA)	Introducing TRIZ and Experiences Exchange

21:00 Finish

### Third Day (Sept. 11, 2010), Saturday

9:00 – (40min.)	Meetings (parallel)	Rm. 305	Meeting J	Group Leader: Toru Nakagawa (Osaka Gakuin Univ.)	Japan TRIZ Society “Education & TRIZ” Study Group: First Meeting
		Rm. 306	Meeting J	Group Leaders: Toru Shonai (Hitachi), Takuo Maeda (Takumi System Architects)	Japan TRIZ Society “IT/Software and TRIZ” Study Group: First Meeting
9:40–(20min.)	Break		Registration	(for Symposium)	
10:00 – (80min.)	Invited (Plenary)	RA Nakagawa	Keynote 2 <b>EI01</b> EJ	Nikolai Khomenko (Insight Technologies Lab, Canada)	General Theory on Powerful Thinking (OTSM): Digest of Evolution, Theoretical Background, Tools for Practice and Some

	ry)				Domain of Application.
11:20- (10min.)	Break				
11:30- (40min.)	Double	RA Ikeda	Oral 16 <b>J18</b> JE	MPUF (Microsoft Project Users Forum) USIT/TRIZ Study Group: Kouichi Nakamura <sup>1</sup> , Noritaka Nakayama <sup>2</sup> , Hirotake Makino <sup>1</sup> , Hideki Ohmori <sup>1</sup> , Kazunori Aoki <sup>3</sup> , Etsuo Yamada <sup>1</sup> , Osamu Kumasaka <sup>4</sup> , Minoru Takimoto <sup>5</sup> , Tatsuhiko Atsuta <sup>1</sup> , Yuji Mihara <sup>6</sup> ( <sup>1</sup> USIT/TRIZ Study Group, <sup>2</sup> Konica Minolta Technology Center, Inc., <sup>3</sup> Tokyo Keiki Kogyo Co., Ltd., <sup>4</sup> Kumasaka Professional Engineer office, <sup>5</sup> Fuji Xerox Information Systems Corp., <sup>6</sup> Creative Technology Institute Co., Ltd.)	Application of USIT to Useful Paper Fastener
		RB Arita	Oral 17 E03	Hongyul Yoon (TRIZ Center, South Korea)	OTSM-TRIZ Guide to Increase Effectiveness of Root Conflict Analysis
12:10- (60 min.)		Cafeteria		Lunch	
13:10- (15 min.)	Single	RA Fukushima	Poster Introduction B JE or EJ	All the Presenters of Poster Session B	Introduction to Poster papers B
13:25- (5 min.)	Break				
13:30- (50min.)	Posters and Demos B (Parallel)	3F Hall Fukushima, Zenko, Masaki	Poster B1 <b>J13</b> J	Satoshi Hasegawa, Shoichi Tsuge, Tateki Oka (Konica Minolta Business Technologies, Inc)	Expansion of USIT Operators' Matrix to Software Technical Domain
			Poster B2 <b>J16</b> J	Yukie Hanaoka (Wisdom, Inc.), Hideto Sanjou (DOCOMO Systems, Inc.)	Practice of Creative Thinking through TRIZ Mind Cards – Everywhere with Essence of TRIZ –
			Poster B3 <b>J17</b> JE	Kurumi Nakatani (Osaka Gakuin Univ., 2nd Year Student), Toru Nakagawa (Osaka Gakuin Univ.)	A Large Variety of Writing Instruments: Studying the Evolution of Technologies in Familiar Items
			Poster B4 <b>E02</b> EJ	Tanasak Pheunghua (The Inventor Development Co., Ltd., Thailand)	Implementing TRIZ in Thailand
			Poster B5 <b>E14</b> EJ	Song-Kyoo Kim (Samsung Electronics, Korea)	Design of Regional Code Adaptation for Mobile Advertisement by Using Theory of Inventive Problem Solving
14:20-	Break				

(10 min.)					
14:30- (40min.)	Double	RA Kunitomo	Oral 18 <b>J05</b> JE	Atsuko Ishida (Hitachi Consulting Co., Ltd.)	Evaluation of Methods for Creativity by Applying the TRIZ-based Business Idea Database to Business Problem Solving
		RB Shonai	Oral 19 <b>J21</b> JE	Yuji Mihara (Creative Technology Institute Co., Ltd.), Masahiro Kuwahara (IDEA Ltd.), Yojiro Fukushima ( ), Manabu Sawaguchi (Waseda University), Tetsuya Hamaguchi (The University of Tokyo), Hiroshi Osada (Tokyo Institute of Technology)	The Techniques to Detect and Solve Innovative Problems – The Proposal regarding “Two types of Redesigned Contradiction Matrix” for TRIZ Beginners –
15:10- (5min.)	Break				
15:15- (40min.)	Double	RA Kunitomo	Oral 20 <b>J15</b> JE	[TRIZ Spreading/Use Study Group of Japan VE Association Kansai Branch] Shinichi Matsueda (West Japan Railway Co.), Satoshi Hirono (OMRON Corp.), Hideaki Masaki (Nitto Denko Corp.), Makoto Unno (Kawasaki Heavy Industries, Ltd), Kazuyasu Ikeda (Sekisui Engineering Co., Ltd), et al.	Study of Development-type TRIZ tool (part 4) – Case Study on Substance-Field Analysis / Standard Inventive Solutions –
		RB Shonai	Oral 21 <b>E07</b> EJ	Kyeong won, Lee (Korea Polytechnic University, Korea)	Quick TRIZ process and the related TRIZ activities in Korea
15:55- (5min.)	Break				
16:00- (10min.)	Closing	RA Konishi	Closing Address JE	Yuji Mihara (Vice Chairman of Board, Japan TRIZ Society)	On Closing the Symposium

**16:10 Finish**